

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 49   | (US-4026506-\$ or US-3575596-\$ or US-4177459-\$ or US-4625279-\$ or US-6032905-\$ or US-4302811-\$ or US-5836529-\$ or US-4498650-\$ or US-4066228-\$ or US-4022407-\$ or US-3868075-\$ or US-3901468-\$ or US-5366183-\$ or US-3568149-\$ or US-4975906-\$ or US-4458308-\$ or US-4247790-\$ or US-4042888-\$ or US-3832599-\$ or US-6876907-\$ or US-5751569-\$ or US-3819932-\$ or US-6218961-\$ or US-4546845-\$ or US-5978718-\$ or US-5477941-\$). did. or (US-4792736-\$ or US-5813635-\$ or US-5738311-\$ or US-6122571-\$ or US-4300082-\$ or US-5446389-\$ or US-4629949-\$ or US-4471274-\$ or US-4401970-\$ or US-5398894-\$ or US-4360873-\$ or US-4278900-\$ or US-3794833-\$ or US-3859581-\$ or US-4327415-\$ or US-4046342-\$ or US-3884437-\$ or US-3892377-\$ or US-5805797-\$ or US-5583769-\$ or US-5181679-\$ or US-3794977-\$ or US-3582644-\$). did. | USPAT   | OR               | ON      | 2005/09/15 08:19 |
| S2    | 8    | ("4387870") or ("4026506") or ("3991958") or ("5026009")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/09/12 14:43 |
| S3    | 260  | (701/20).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/09/13 11:24 |
| S4    | 260  | (701/20).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/09/13 11:24 |
| S5    | 338  | (701/19).ccls. not S4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/13 13:41 |
| S6    | 260  | (701/20).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/09/13 13:42 |

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| S7  | 338  | (701/19).ccls. not S6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 13:42 |
| S8  | 1639 | (246/182R).ccls. not S7  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 13:42 |
| S9  | 1575 | (701/79,301).ccls. not (S6 or S7 or S8)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 14:20 |
| S10 | 364  | S9 and track   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 14:20 |
| S11 | 162  | S9 and train   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 14:37 |
| S12 | 1757 | (340/905,933).ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 14:38 |
| S13 | 1737 | (340/905,933).ccls. not S9   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 14:39 |
| S14 | 1716 | (340/905,933).ccls. not (S6 or (701/19).ccls. or (246/182R).ccls. or (701/79,301).ccls.)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 14:40 |
| S15 | 188  | (340/905,933).ccls. not (S6 or (701/19).ccls. or (246/182R).ccls. or (701/79,301).ccls.) and train | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 14:40 |
| S16 | 888  | occupancy with detection   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 14:53 |

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| S17 | 128 | occupancy with detection same track | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/13 14:54 |
| S18 | 0   | ("2005/0107954").URPN.              | USPAT   | OR | ON | 2005/09/14 13:29 |
| S19 | 0   | ("2005/0107954").URPN.              | USPAT   | OR | ON | 2005/09/14 13:30 |

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| S20 | 70 | US-4072945-\$.DID. OR<br>US-4403220-\$.DID. OR<br>US-4894655-\$.DID. OR<br>US-4926171-\$.DID. OR<br>US-4969038-\$.DID. OR<br>US-4979029-\$.DID. OR<br>US-5039217-\$.DID. OR<br>US-5081585-\$.DID. OR<br>US-5091726-\$.DID. OR<br>US-5148179-\$.DID. OR<br>US-5153836-\$.DID. OR<br>US-5161107-\$.DID. OR<br>US-5165497-\$.DID. OR<br>US-5177462-\$.DID. OR<br>US-5177489-\$.DID. OR<br>US-5181038-\$.DID. OR<br>US-5182566-\$.DID. OR<br>US-5187805-\$.DID. OR<br>US-5189426-\$.DID. OR<br>US-5202829-\$.DID. OR<br>US-5223844-\$.DID. OR<br>US-5225842-\$.DID. OR<br>US-5243652-\$.DID. OR<br>US-5272483-\$.DID. OR<br>US-5291196-\$.DID. OR<br>US-5302956-\$.DID. OR<br>US-5311194-\$.DID. OR<br>US-5314037-\$.DID. OR<br>US-5323322-\$.DID. OR<br>US-5325302-\$.DID. OR<br>US-5332057-\$.DID. OR<br>US-5341344-\$.DID. OR<br>US-5345244-\$.DID. OR<br>US-5359332-\$.DID. OR<br>US-5361212-\$.DID. OR<br>US-5367463-\$.DID. OR<br>US-5369591-\$.DID. OR<br>US-5379224-\$.DID. OR<br>US-5382958-\$.DID. OR<br>US-5383127-\$.DID. OR<br>US-5389934-\$.DID. OR<br>US-5390125-\$.DID. OR<br>US-5394333-\$.DID. OR<br>US-5396540-\$.DID. OR<br>US-5408238-\$.DID. OR<br>US-5416712-\$.DID. OR<br>US-5418537-\$.DID. OR<br>US-5422813-\$.DID. OR<br>US-5422816-\$.DID. OR<br>US-5430656-\$.DID. OR<br>US-5434787-\$.DID. OR<br>US-5438517-\$.DID. OR<br>US-5442363-\$.DID. OR<br>US-5463384-\$.DID. OR<br>US-5467072-\$.DID. OR<br>US-5479173-\$.DID. OR<br>US-5486832-\$.DID. OR<br>US-5504482-\$.DID. OR<br>US-5506584-\$.DID. OR<br>US-5529138-\$.DID. OR<br>US-5530651-\$.DID. OR | USPAT | OR | ON | 2005/09/14 13:37 |
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| S21 | 4    | ((("5314037") or ("5529138"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/09/15 08:19 |
| S22 | 78   | optical with transceiver same collision  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/09/15 08:30 |
| S23 | 329  | G05D001/00.ipc. and (train or rail)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/09/15 11:22 |
| S24 | 308  | B61L001/00.ipc.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/09/15 11:51 |
| S25 | 625  | B61L003/00.ipc.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/09/15 11:44 |
| S26 | 1146 | B61L023/00.ipc.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/09/15 11:44 |
| S27 | 1384 | "automatic train operation" or "automatic train control"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/01/04 14:38 |
| S28 | 10   | ("automatic train operation" or "automatic train control") and undetect\$3                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/01/05 09:04 |
| S29 | 10   | ("automatic train operation" or "automatic train control") and (undetected\$3 or unannounced\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/01/05 09:17 |
| S30 | 61   | ("automatic train operation" or "automatic train control") and "speed command"                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/01/05 09:19 |

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| S31 | 24 | ("automatic train operation" or "automatic train control") and "speed command" and occupancy | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/05 09:25 |
| S32 | 68 | ("automatic train operation" or "automatic train control") and collision                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/05 09:25 |